| FORM PTO-1449 (modified) To: U.S. Department of Commerce (PW FORM PAT-1449) Patent and Trademark Office  INFORMATION DISCLOSURE STATEMENT ADEMARK BY APPLICANT |              |              |   |              |                    |               |                       | Atty.<br>Dkt. No. | M#           |                                       |               | Client I | Ref.              |               |                      |              |
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| INFO   | ORM/<br>APPL | ATIO<br>ICAI | N DISCLOSUF<br>NT                                 | RE ST.       | ATEN               | MENT          | RADEMA                |                   | Applicant    | : HOFFMAN et a                        | I.            |          |                   |               |                      | -            |
|  |              |              |   |              |                    |               | ,                     |                   | Appln. No    | o.: 10/759,699                        |               |          |                   |               |                      |              |
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| -  | +            | +            | 6,417,974   | ···········  | 06/20              |               | Sakuma e              | et al.            |              |                                       | 35            |          | 36                |               |                      |              |
|  | +            | ER           | 6,583,931   |              | 06/20              |               | Schuster<br>Hiraiwa e |                   | 35           |                                       | 75            |          |                   |               |                      |              |
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|  | i –          | JR           | 6,775,063   |              |                    |               | Shiraishi             | ш.                |              | ·                                     | 35            |          |                   | 15            |                      |              |
|  | 1            | KR           | 2002/0085176                                      |              | 08/20<br>07/20     |               | Hiraiwa et            | t al.             |              |                                       | 35            | _        |                   | 0             |                      |              |
|  | Ì            | t            | 2002/0149855                                      |              |                    |               | Schuster              |                   |              | · · · · · · · · · · · · · · · · · · · | 33            |          | 64                |               |                      |              |
|  | <b>T</b>     | 1            | 2002/0186355                                      | 10/20        |                    | Omura         |                       |                   |              | 35                                    | _             | 53       |                   |               |                      |              |
|  |              | NR           | 2003/0000453                                      |              | 1                  |               | Unno et a             | ıl.               |              |                                       | 11.           |          | 1.                |               |                      |              |
|  |              | OR           | 2003/0007253                                      |              |                    |               | Schuster et al.       |                   |              |                                       | 359           |          | 642               |               |                      |              |
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|  | 1            | QR           | 2003/0063393                                      |              | 04/20              | 04/2003 Omura |                       |                   |              |                                       | 35            | 9        | 64                | 9             |                      |              |
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| <b>├</b> ─₩  |              | XR<br>YR     | 2003-050349                                       | 02/200       | )3                 | Japan         | 1                     | Naon              | nasa et al.  |                                       |               | X        | $\longrightarrow$ | -             |                      | ┼—           |
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| M   | 4.1           | UUR    | WO 01/01182             | 01/200       | 01     | WIPC             | )                               | Meda   | et al.   |           |               |          |                      |             |            |                      |          |  |  |
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|   |               |        | WO 03/077011            |              | _      | WIPO             |                                 |  | a et al.   |           | _             |          |                      |             |            | 1                    |          |  |  |
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|   |               | BBBI   | WO 03/088330            | 10/200       | 03     | WIPO             | )                               | Yama   | aguchi   |           |               |          | Х                    |             |            |                      |          |  |  |
| <u></u>   |               | CCC    | WO 04/008254            | 01/200       | )4     | WIPO             | )                               | Yama   | ada  |           |               |          |                      |             |            |                      |          |  |  |
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|                                      | <u> </u>   | Chiba et al., "Ne<br>Microlithography   | <i>X</i> V, F  | rocee                          | dings   | of SPIE, V | ol. 46       | 591, 2002,   | pp. 6                | 79-686.                             |                 |                     |                              | ļ          |                        |  |
|                                      | GR   |   | atsumoto et al., "Analysis of Imaging Performance Degradation," <i>Optical crolithography XVI</i> , Proceedings of SPIE, Vol. 5040, 2003, pp. 131-138. |                                |         |            |              |              |                      |                                     |                 |                     |                              |            |                        |  |
|                                      | HR   | Matsuyama et a Scanner," Optica pp. 687-695.  |  |                                |         |            |              |              |                      |                                     |                 |                     |                              |            |                        |  |
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|                                      | JR   | Matsuyama et a<br>Microlithography  |  |                                |         |            |              |              | rpora                | tion, SPIE                          |                 |                     |                              |            |                        |  |
|                                      | KR   | Matsuyama et a<br>Nikon Corporation   |  | on Pr                          | ojectio | n Lens Up  | date,        | " Precision  | Equi                 | pment Comp                          | oany,           |                     |                              |            |                        |  |
|                                      | LR   | Miyawaki et al., '<br>Technical Data i  |  |                                |         |            |              |              |                      | , 157nm                             |                 |                     |                              |            |                        |  |
|                                      | MR   | Nakano et al., "T<br>International Syr<br>Slides 1-25.  |  |                                |         |            |              |              |                      |                                     |                 |                     |                              |            |                        |  |
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|                                      | <u> </u>   | Nogawa, "Develo<br>Semiconductor F  | roduc  | tion E                         | quipm   | ent Develo | рте          | nt Center,   | Slide                |                                     |                 |                     |                              |            |                        |  |
|                                      | PR   | Nogawayet al., "S   |  | ) Desi                         | gn of a | 157nm S    | cann         |              |                      |                                     |                 |                     | <u> </u>                     | <u> </u>   |                        |  |
| Examiner                             | .D.  | CANAD   |  |                                | 46      |            |              | Date Con:    |                      |                                     |                 | 2005                |                              | • • •      |                        |  |
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